CLAIMS

What is claimed is:

[c01]   A method, comprising the steps of:

receiving a first data stream at a computer, the first data stream comprising packets of data packetized according to a packet protocol;

recursively segmenting the first data stream into segments;

dispersing at least one of the segments via a network for a subsequent processing service;

receiving a result of the processing service;

aggregating the result of the processing service into a second data stream; and

communicating the second data stream via the network.

[c02]   A method according to claim 1, wherein the step of recursively segmenting the first data stream comprises using a characteristic of one segment to describe another segment.

[c03]   A method according to claim 1, wherein the step of recursively segmenting the first data stream comprises using a characteristic of a preceding segment to describe a current segment.

[c04]   A method according to claim 1, wherein the step of recursively segmenting the first data stream comprises mathematically describing a segment based upon a preceding segment.

[c05]   A method according to claim 1, further comprising accruing historical routing information for a segment, the historical routing information describing at least one destination of the segment as the segment travels via the network.

[c06] A method according to claim 5, further comprising assembling the second data stream using the historical routing information for the segment.

[c07] A method according to claim 1, further comprising accruing historical processing information for a segment, the historical processing information describing at least one process performed on the segment.

[c08] A method according to claim 7, further comprising assembling the second data stream using the historical processing information for the segment.

[c09] A method of providing communications services, comprising the steps of:

receiving data at a computer, the data received as packets of data packetized according to a packet protocol;

recursively segmenting the packets of data into segments according to a segmentation profile stored in memory;

dispersing at least one of the segments via a network for a subsequent processing service;

receiving results of the subsequent processing service; and

assembling a data stream, the data stream comprising at least one of i) the results of the subsequent processing service and ii) a recursively segmented segment.

[c10] A method according to claim 9, further comprising the step of communicating the assembled data stream to a client communications device.

[c11] A method according to claim 9, further comprising the step of receiving a request for the assembled data stream.

[c12] A method according to claim 9, wherein the step of recursively segmenting the first data stream comprises using a characteristic of one segment to describe another segment.

[c13] A method according to claim 9, wherein the step of recursively segmenting the first data stream comprises using a characteristic of a preceding segment to describe a current segment.

[c14] A method according to claim 9, wherein the step of recursively segmenting the first data stream comprises mathematically describing a segment based upon a preceding segment.

[c15] A method according to claim 9, further comprising accruing historical routing information for a segment, the historical routing information describing at least one destination of the segment as the segment travels via the network.

[c16] A method according to claim 15, further comprising assembling the second data stream using the historical routing information for the segment.

[c17] A method according to claim 9, further comprising accruing historical processing information for a segment, the historical processing information describing at least one process performed on the segment.

[c18] A method according to claim 17, further comprising assembling the second data stream using the historical processing information for the segment.

[c19] A system, comprising:

an Analysis Module stored in a memory device, the Analysis Module receiving data at a computer with the data received as packets of data packetized according to a packet protocol, the Analysis Module recursively segmenting the packets of data into segments according to a segmentation profile stored in memory, the Analysis Module dispersing at least one of the segments via a network for a subsequent processing service, the Analysis Module receiving results of the subsequent processing service and

assembling a data stream, the data stream comprising at least one of i) the results of the subsequent processing service and ii) a recursively segmented segment; and

a processor communicating with the memory device.

[c20] A computer program product, comprising:

a computer-readable medium; and

a Analysis Module stored on the computer-readable medium, the Analysis Module receiving data at a computer with the data received as packets of data packetized according to a packet protocol, the Analysis Module recursively segmenting the packets of data into segments according to a segmentation profile stored in memory, the Analysis Module dispersing at least one of the segments via a network for a subsequent processing service, the Analysis Module receiving results of the subsequent processing service and assembling a data stream, the data stream comprising at least one of i) the results of the subsequent processing service and ii) a recursively segmented segment.